

SHELF STRUCTURE

ABSTRACT OF THE DISCLOSURE

A shelf includes upright columns and first and second horizontally-extending bars having ends connected to the columns. The column has side walls each defining at least one first hole and forming a first rib adjacent the first hole. The first bar is arranged in a first horizontal direction with the end thereof connected to the column. The end of the first bar forms an end tab in which at least one first hook is formed and fit into the first hole of one of the side walls. The first hook has a surface forming a second rib. The second rib receivingly engages the first rib to strength the connection between the end of the first bar and the column. The second bar is arranged in a second horizontal direction with the end thereof connected to the column. The end of the second bar forms an end tab in which at least one second hook is formed and fit into the first hole of another one of the side walls. The second hook has a surface in which a third rib is formed. The third rib receivingly engages the first rib to strength the connection between the end of the second bar and the column. By means of the structure of the columns and bars, the shelf can be efficiently assembled/disassembled and has a structure of enhanced mechanical stability, security, safety and overall strength.